



9110-04-P

DEPARTMENT OF HOMELAND SECURITY

Coast Guard

[Docket No. USCG-2012-0782]

Public Workshop on Marine Technology and Standards

AGENCY: Coast Guard, DHS.

ACTION: Notice.

-----

SUMMARY: The American Society of Mechanical Engineers (ASME), in coordination with the United States Coast Guard (USCG), is sponsoring a two-day public workshop on marine technology and standards in Arlington, VA. This public workshop will provide a unique opportunity for classification societies, industry groups, standards development organizations, government organizations, and other interested members of the public to come together for a professional exchange of information on topics ranging from technological impacts on the marine industry, corresponding coverage in related codes and standards, and government regulations.

DATES: The two-day workshop will be held on Wednesday, July 24, 2013, and Thursday, July 25, 2013. The deadline for advance registration is Monday, July, 1, 2013. If you are interested in presenting a paper at the

workshop, you must submit a 100 word abstract by email to workshop@uscg.mil. Abstracts are due on or before November 2, 2012.

See SUPPLEMENTARY INFORMATION below for other dates related to submission of abstracts, draft papers, and presentations, as well as more information on how to register for the workshop.

ADDRESSES: The workshop will be held at The Double Tree by Hilton Hotel, in the Crystal City neighborhood of Arlington VA. The hotel is located at 300 Army Navy Drive, Arlington, VA; the hotel phone number is (703) 416-4100. The hotel is located approximately three miles from Ronald Reagan Washington National Airport (DCA) and approximately four blocks from the Pentagon City Metro station. For registration information or to obtain further information about this workshop, visit the USCG Website at [http://www.uscg.mil/marine\\_event](http://www.uscg.mil/marine_event). The docket for this notice is available for inspection or copying at the Docket Management Facility (M-30), U.S. Department of Transportation, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE, Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. You may also find this docket on the Internet by

going to <http://www.regulations.gov>, inserting USCG-2012-0782 in the "Search" box, and then clicking "Search."

FOR FURTHER INFORMATION CONTACT: If you have questions about this notice you may contact a USCG/ASME representative via email at [workshop@uscg.mil](mailto:workshop@uscg.mil). You may also contact Lieutenant Commander Ken Hettler, Office of Design and Engineering Standards, USCG, by telephone at (202) 372-1367; or Mr. Joseph S. Brzuszkiewicz, Project Engineering Manager, ASME, by telephone at (212) 591-8533.

If you have questions on viewing or submitting material to the docket, call Renee V. Wright, Program Manager, Docket Operations, telephone (202) 366-9826.

#### SUPPLEMENTARY INFORMATION:

##### Background and Purpose

The ASME/USCG Workshop on Marine Technology and Standards provides a unique opportunity for classification societies, industry groups, standards development organizations, government agencies, and interested members of the public to come together for a professional exchange of information on topics ranging from technological impacts on the marine industry, corresponding coverage in related codes and standards, and government regulations.

Held once every two to three years, the public workshop is sponsored by the American Society of Mechanical

Engineers (ASME), in coordination with the USCG Office of Design and Engineering Standards. ASME is a standards setting organization with wide-ranging volunteer committee membership, which includes USCG supported personnel who serve as members of various ASME committees in support of USCG missions in maritime safety and environmental protection. The USCG Office of Design and Engineering Standards is responsible for developing and promulgating national regulations and standards that govern the safe design and construction of ships and shipboard equipment, including hull structure, stability, electrical and mechanical systems, lifesaving and fire safety equipment, and related equipment approval and laboratory acceptance.

This workshop is an opportunity for the public to provide expertise on technical matters affecting the marine industry, to leverage new technologies, and to improve future policymaking, standards development, and rulemaking. The most recent workshop was held in Washington, DC, on July 29-30, 2010 (75 FR 8099, February 23, 2010). Public engagement on regulations and design standards enhances both the effectiveness and the quality of policy development. As an example, dialogue from the previous workshop on the safe and economical use of natural gas as a marine fuel provided valuable insight for the development

of CG-521 Policy Letter No. 01-12,<sup>1</sup> which sets forth national policy regarding acceptable design criteria for shipboard natural gas fuel systems.

Topics for the 2013 workshop are listed below and include application of various marine technologies to promote safe and environmentally conscious operation of ships and offshore vessels and platforms.

The next workshop will be held in Arlington, VA, over a two-day period on Wednesday, July 24, 2013, and Thursday, July 25, 2013. See ADDRESSES above for event location information.

#### Topics of Meeting

This workshop comprises a series of panel sessions over a two-day period covering a variety of topics.

Proposed topics include:

#### EMERGING TECHNOLOGIES

- Selective Catalytic Reduction (SCR)/Exhaust Gas Cleaning (EGC) Technologies
- Alternative propulsion systems and fuel (other than Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) )
- Retrofit of legacy engines

---

<sup>1</sup> CG-521 Policy Letter No. 01-12, "Equivalency Determination - Design Criteria for Natural Gas Fuel Systems," is available for viewing at <http://www.uscg.mil/hq/cg5/cg521/docs/CG-521.PolicyLetter.01-12.pdf>.

- Wastewater treatment system (ballast water, sewage, graywater, bilgewater)

#### CNG/LNG TECHNOLOGY

- LNG fuel tank and piping design
- Location of fuel tank on ship re: fire safety, venting, etc.
- Portable LNG/CNG fuel tanks (Tanktainers)
- Codes and standards for CNG/LNG technology
- Fitness for service/in-service inspection.
- LNG fuel barges (bunkering, or other purposes)

#### EQUIPMENT & MATERIAL SELECTION FOR THE MARINE ENVIRONMENT, INCLUDING POLAR ENVIRONMENT

- Loading considerations for pressure vessels on ships and platforms
- Piping design for marine environment
- Naval vessel requirements for piping & pressure vessels
- Non-metallic materials for pressure applications
- Fire testing
- Resiliently Seated Valves (RSVs)
- Operating vessels in low air temperature, low sea temperature, and under ice conditions
- Materials selection for low temperature applications
- Technology and equipment performance issues

#### RISK/HAZARD MITIGATION

- Dynamic Positioning (DP) operational watch circle
- Emergency disconnect scenarios
- Reliability centered maintenance & risk based inspection
- Condition-based monitoring

#### CONTROLS & SAFETY DEVICES

- Hybrid control technology of DP systems
- Computer based control system, software validation
- Gas detection and emergency shutdown (ESD) systems
- Remotely operated valves within a high pressure or high temperature environment (e.g. subsea exploration)
- Overpressure protection (e.g. fuel tanks on gas fuelled ships (GFS) or cargo tanks on CNG/LNG carriers)
- Boiler and power plant controls

#### HUMAN ELEMENT

- Human factors engineering
- Safety management systems
- Human and controls interface
- Acoustic noise limits in vessel design
- Training

#### REGULATORY, CLASSIFICATION, AND GOVERNMENT ISSUES

- Novel design, concept review and design basis agreement
- Fabrication testing, validation
- Testing and approval of ballast water treatment systems
- Regulatory and classification society updates and other "hot topics"

### Call for Papers

#### Abstracts:

If you are interested in presenting a paper on one or more topics listed above, submit a 100 word abstract via email to: [workshop@uscg.mil](mailto:workshop@uscg.mil). Abstracts are due on or before November 2, 2012, and should also contain the title of your paper, name of each author/co-author, name of each presenter and affiliation to author/co-author, as well as the title, address, phone number, facsimile number, and e-mail address for each named individual.

#### Draft Papers & Presentations:

If you receive notification that your abstract is accepted, you may then submit a draft paper and presentation via email to: [workshop@uscg.mil](mailto:workshop@uscg.mil). Draft papers are due on or before February 8, 2013; final papers (formatted and ready for publication) are due on or before



May 1, 2013. Presentations are due on or before June 1, 2013.

#### Web Sites

For additional information on this workshop, visit the USCG Web site at [http://www.uscg.mil/marine\\_event](http://www.uscg.mil/marine_event).

#### Registration

To register for this workshop, visit the USCG Web site at [http://www.uscg.mil/marine\\_event](http://www.uscg.mil/marine_event). While the workshop is open to the public, meeting space is limited by room capacity. Since seating is limited, we ask anyone interested in attending the workshop to register in advance. The deadline for advance registration is Monday, July 1, 2013. Registration on the first day of the workshop will be permitted on a space-available basis. The registration fee for this event is \$325 USD if submitted on or before May 31, 2013 and \$375 USD if submitted after May 31, 2013. The registration fee includes admission for one person to each panel session for the two day event, several coffee breaks, and a reception on the first day of the event.

#### Proceedings

Material presented at the workshop will be made available to the public on the USCG Web site listed above after the conclusion of this event. For additional

information on material presented at this event, you may contact one of the individuals listed above in FOR FURTHER INFORMATION CONTACT. Summaries of comments made and materials presented will be available on the docket at the conclusion of this event. To view the docket, see instructions above in ADDRESSES.

Privacy Act:

Anyone can search the electronic form of comments received into any of our dockets by the name of the individual submitting the comment (or signing the comment, if submitted on behalf of an association, business, labor union, etc.). You may review a Privacy Act, system of records notice regarding our public dockets in the January 17, 2008, issue of the Federal Register (73 FR 3316).

Information on Services for Individuals with Disabilities

Persons with disabilities who require special assistance should advise us of their anticipated special needs as early as possible by one of the individuals listed above in FOR FURTHER INFORMATION CONTACT.

### Adjournment

Please note that the workshop may adjourn early if all business is finished.

### Authority

This notice is issued under authority of 5 U.S.C. 552(a) and 14 U.S.C. 93(a)(4).

Dated: September 05, 2012

J. G. Lantz  
Director of Commercial Regulations and Standards,  
U.S. Coast Guard

[FR Doc. 2012-22247 Filed 09/07/2012 at 8:45 am; Publication Date: 09/10/2012]